

Cyclones and gales.—There was somewhat more storm activity than there had been during the quiet June just previous. Apart from the vicinity of the American coast the most notable storm occurred about the middle of the month. This was close to the Middle Atlantic States on the 12th, as a Low of only moderate strength; but as it moved toward the east-northeast the energy increased, and near midocean some vessels met strong gales (force 9) between noon and midnight of the 16th. There was decidedly high pressure at this time over and near the Bay of Biscay, and the Low turned more toward the north-northeast, away from the chief steamship routes, and was centered near Iceland late on the 18th with somewhat diminished force.

From the northeastern part of the Gulf of Mexico northward near the United States coast a disturbance usually of small size but considerable strength passed just before the close of the month. Midnight of July 31 found this storm in about the latitude of New Jersey. The greatest wind force reported by any vessel meeting it was 11, and it was only in connection with this Low that any July vessel report from North Atlantic waters has mentioned that force. A detailed account of this disturbance appears elsewhere in this issue.

Fog.—As is expected in July, there was considerable fog over North Atlantic waters to northward of the fortieth

parallel. The western areas had, as a rule, somewhat less fog than during the month of June just preceding; but the eastern areas to northward of 45° latitude noted a little more fog than June had brought. Reports indicate the eastern 5° square of greatest occurrence to have been that from 45° to 50° N., 30° to 35° W., with 10 days, chiefly after the 17th. Close to the British Isles fog was experienced mainly on the opening days and about the 12th and 18th.

In the Grand Banks region fog was prevalent most of the month, but somewhat less than usual from the 9th to 16th. The square 40° to 45° N., 45° to 50° W., led all others anywhere in the North Atlantic, with 20 days. Near Cape Cod and Western Nova Scotia the square 40° to 45° N., 65° to 70° W., had 18 days.

Waters near Long Island had much less fog than during June, and the decrease near the New Jersey coast and Delaware Bay was even more marked. A very little fog was met, however, still farther southward, even near the coast of North Carolina.

Two accidents due to fog were noted as occurring near the Massachusetts coast. In the more serious of these, on the 12th, Handkerchief Shoals lightship was struck and damaged enough to compel withdrawal for repairs, one of the crew suffering injury.

OCEAN GALES AND STORMS, JULY 1937

Vessel	Voyage		Position at time of lowest barometer		Gale began July—	Time of lowest barometer July—	Gale ended July—	Lowest barometer	Direction of wind when gale began	Direction and force of wind at time of lowest barometer	Direction of wind when gale ended	Direction and highest force of wind	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH ATLANTIC OCEAN													
Turrialba, Am. S. S.	Boston	Tela	16 00 N.	87 24 W.	2	7a, 3.	2	29.82	SE	E, 3.	SE	SE, 6.	S-NW.
Black Hawk, Am. S. S.	Rotterdam	New York	49 53 N.	7 42 W.	3	Noon, 3.	3	29.65	NW	S, 4.	NW	NW, 8.	
Nashaba, Am. S. S.	New Orleans	Havre	39 56 N.	55 23 W.	7	8a, 7.	7	29.78		SSW, 8.		SSW, 8.	
Katanga, Belg. S. S.	Lobito	Antwerp	9 30 N.	16 30 W.	12	11p, 12.	13	29.86	WSW	NW, 9.	WNW	NW, 9.	
Do.	do.	do.	14 39 N.	17 57 W.	16	11a, 14.	16	29.90	N	N, 2.	NNE	N, 7.	
Granada, Hond. S. S.	Key West	Frontera	18 54 N.	92 36 W.	14	6a, 15.	14	29.91	SE	ESE, 4.	SSE	SSE, 6.	
Dulvendrecht, Du. M. S.	Killingholm	Houston	36 42 N.	50 38 W.	15	Noon, 15.	15	30.01	SW	SW, 8.	WSW	SW, 8.	SW-W.
Emile Francqui, Belg. S. S.	Antwerp	New York	47 26 N.	36 02 W.	15	—, 16.	16	29.24	SW	SW, 8.	NW	NW, 8.	Steady.
Edam, Du. S. S.	Rotterdam	do.	47 24 N.	36 16 W.	15	9a, 16.	16	29.24	ENE	WSW, 6.	NNW	NNW, 9.	SSW-NW.
Collamer, Am. S. S.	New York	Havre	48 38 N.	28 46 W.	16	10p, 16.	17	29.34	S	SSW, 8.	W	SSW, 9.	S-SW.
Boston City, Br. S. S.	Montreal	Cardiff	51 55 N.	10 15 W.	19	8p, 20.	21	29.80	SW	SW, 8.	W	SW, 9.	Steady.
Blankaholm, Swed. M. S.	Gothenburg	Montreal	59 12 N.	26 10 W.	20	8p, 20.	21	29.29	WNW	NW, 8.	NNW	NW, 9.	W-NW.
Coloradan, Am. S. S.	Cristobal	Ponce	13 06 N.	74 45 W.	25	4p, 25.	26	29.80	ENE	E, 6.	E	E, 6.	None.
West Kyska, Am. S. S.	Bremen	Tampa	44 42 N.	20 02 W.	26	2p, 26.	26	29.79	SSE	SSE, 7.	SSE	SSE, 8.	SSE-W.
Mariana, Am. S. S.	Tampa	New Orleans	27 47 N.	83 41 W.	29	9a, 29.	29	29.80	SE	NW, 5.	S	SE, 8.	SE-SW-N.
Tela, Hond. S. S.	Charleston	Philadelphia	33 10 N.	78 08 W.	31	1a, 31.	31	29.75	NE	NE, 9.	NW	NE, 9.	NE-NW.
Capitaine Paul Lemerle, Fr. S. S.	Newport News	San Pedro Marcoris.	36 00 N.	75 00 W.	31	Noon, 31.	31	29.92	NE	NNE, 10.	N	NNE, 10.	NE-NNW.
Gulfpride, Am. M. S.	Philadelphia	Port Arthur	36 00 N.	75 07 W.	31	Noon, 31.	31	29.82	NE	NNW, —	N	N, 8.	NE-NNW-N.
Peten, Am. S. S.	Habana	New York	35 08 N.	75 12 W.	31	Noon, 31.	31	29.79	W	NW, 9.	NW	NW, 9.	W-NW-NNE.
Coppenname, Am. S. S.	Castilla	Boston	36 08 N.	74 06 W.	31	2p, 31.	31	29.40	SSW	N	NW	NW, 9.	SSW-N-NW.
Santa Lucia, Am. S. S.	New York	Cristobal	36 30 N.	73 42 W.	31	2p, 31.	31	29.56		ENE, 4.		NW, 8.	E-ENE-NW.
Turrialba, Am. S. S.	Boston	Habana	37 42 N.	70 50 W.	31	7p, 31.	31	29.64	SSW	SSW, 7.	WSW	SW, 9.	E-SSW-SW.
Medea, Du. S. S.	New York	Inagua	36 48 N.	73 54 W.	31	3p, 31.	31	29.58	E	NNW, 11.	NNW	NNW, 11.	E-NNW.
NORTH PACIFIC OCEAN													
Skrumstad, Nor. M. S.	Yawata	Taruna, D. E. I.	17 57 N.	128 00 E.	1	4p, 1.	2	29.42	ESE	ESE, 8.	S	ESE, 8.	
General Sherman, Am. S. S.	Yokohama	San Francisco.	47 51 N.	178 08 W.	2	2a, 2.	1	29.74	E	SSE, 7.	SSE	SSE, 9.	E-SSE.
Pierre L. D., Fr. M. S.	do.	Saigon	18 50 N.	119 00 E.	3	8a, 3.	3	29.47	NW	WNW, 9.	WSW	WNW, 9.	NW-SW.
Golden Mountain, Am. S. S.	do.	San Francisco.	37 03 N.	148 52 E.	13	Noon, 13.	13	30.01	SSE	SSE, 6.	SSE	S, 10.	None.
Birmingham City, Am. S. S.	Balboa	Los Angeles	14 48 N.	94 30 W.	21	5a, 22.	22	29.76	N	N, 8.	ESE	N, 8.	

¹ Barometer uncorrected.

² Position approximate.

³ August.